MAGNETORESISTIVE SENSOR

ABSTRACT OF THE DISCLOSURE

In a method of forming a magnetoresistive sensor, first and second magnetic leads

are formed. Next, a junction of magnetic and electrically conductive material is formed
between the first and second magnetic leads. Finally, the magnetic and electrical
conductivity of an outer shell portion of the junction is reduced to form a constricted
junction comprising a magnetic and electrically conductive junction core that is at least
partially surrounded by the outer shell portion. Another aspect of the present invention is

directed to the magnetoresistive sensor that is formed using the method.